

IN THE CLAIMS:

Please amend claims 1-4 and add new claims 6-19 as follows:

1. (Currently Amended) A method for transforming a ~~monocotyledon~~ monocotyledonous plant, comprising ~~a-step~~ the steps of:
pre-culturing an intact seed of the monocotyledonous plant;
infecting the pre-cultured intact seed with an Agrobacterium which ~~contains~~ contain a desired recombinant gene DNA of interest;
selecting the seed with the DNA of interest; and,
allowing the selected seed to produce a transformed monocotyledonous plant.
2. (Currently Amended) A method according to claim 1, wherein the pre-cultured seed is a seed on the fourth or fifth day after sowing.
3. (Currently Amended) A method according to claim 2 1, wherein the pre-cultured seed is a germinated seed.
4. (Currently Amended) A method according to claim 3 1, wherein the ~~monocotyledon~~ monocotyledonous plant is a plant of the family Gramineae.
5. (Original) A method according to claim 4, wherein the plant of the family Gramineae is rice.
6. (New) A method according to claim 1, wherein the pre-culturing step is conducted on a medium containing auxin.
7. (New) A method according to claim 6, wherein the auxin is 2,4-D.
8. (New) A method according to claim 6, wherein the medium further contains a nutrient.

9. (New) A method according to claim 8, wherein the nutrient is sucrose.

10. (New) A method according to claim 1, wherein the pre-culturing step is completed before the callus is formed from the seed.

11. (New) A method according to claim 1, wherein the pre-culturing step is conducted for 6 days.

12. (New) A method according to claim 1, wherein the pre-culturing step is conducted for 1 week.

13. (New) A method according to claim 1, wherein the infecting step is conducted by immersing the pre-cultured seed in a suspension of *Agrobacterium* containing a desired recombinant DNA of interest, and incubating for three days, followed by elimination of *Agrobacterium* using a bacteria eliminating agent.

14. (New) A method according to claim 1, wherein the selecting step is conducted by placing the seeds on a medium containing auxin and a selection marker, and incubating for 7 days.

15. (New) A method according to claim 14, wherein the medium further contain a bacteria eliminating agent.

16. (New) A method according to claim 14 or 15, wherein the selecting step further comprises a second selection by placing the seeds on the medium containing auxin and a selection marker, and incubating for 7 more days.

17. (New) A method according to claim 16, wherein the medium further contains a bacteria eliminating agent.

18. (New) A method according to claim 1, wherein the step of allowing the selected seed to produce a transformed monocotyledonous plant is conducted by regenerating plants using regeneration medium containing a plant regulatory substance.

19. (New) A method according to claim 1, wherein the *Agrobacterium* is *Agrobacterium tumefaciens*.